

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

7.1.5.a Cooling Water Requirements

C-A OPM Procedures in which this Attachment is used.		
7.1.5		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

E. Quimby

Cooling Water Requirements

<u>Component</u>	<u>Measured Pressure Drop</u>	<u>Design Flow Rate</u>	<u>Design Operating Temperature</u>
Intercooler	1.5 psi	28,900 lbs/hr	85 to 105°F
Aftercooler	1.5 psi	28,900 lbs/hr	85 to 105°F
First Stage Compressor	1.8 psi	96,946 lbs/hr	85 to 105°F
Second Stage Compressor	2.1 psi	213,092 lbs/hr	85 to 105°F
Redundant Compressor	2.1 psi	213,092 lbs/hr	85 to 105°F
Utility Compressor	2.9 psi	117,483 lbs/hr	85 to 105°F
Vacuum System		Not Required	
Instrument Gas Compressor		Not Required	
Cryogenic Purifier		Not Required	
Oil Return Skid		Not Required	